

THIRD SUPPLEMENTAL
PRELIMINARY AMENDMENT
U.S. Appln. No. 10/727,576

AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

Page 29, lines 18-26,

4.1.4 Adapter annealing

5pmol/ μ l each of the two TaqI adapters and the two ~~AseI~~AseI adapters are pre-mixed.

TaqI adapter 1: GACGATGAGTCCGAC (SEQ ID NO:1)

TaqI adapter 2: CGGTCAGGACTCAT (SEQ ID NO:2)

AseI adapter 1: CTCGTAGACTGCGTACC (SEQ ID NO:3)

AseI adapter 2: TAGGTACGCAGTC (SEQ ID NO:4)

The mixture is heated for 2 min at 70°C and cooled down slowly to 30°C.

Page 30, lines 12-29,

4.1.6 Preamplification

5 μ l samples from the previous step are each mixed with 2.5 μ l amplification buffer (~~0.1~~0.1M Tris-HCl, pH 8.3, 0.5M KCl, 15mM ~~MgCl₂~~MgCl₂ and 0.1% (w/v) gelatin), ~~1 μ l~~1 μ l (5ng) ~~AseI~~AseI preamplification primer, 1 μ l (30ng) TaqI preamplification primer, 1 μ l dNTP mix, 13.5 μ l water and 1 μ l (1U) TaqI DNA Polymerase.

~~AseI~~AseI preamplification primer: CTCGTAGACTGCGTACCTAAT
(SEQ ID NO:5)

TaqI preamplification primer: GACGATGAGTCCTGACCGA (SEQ ID NO:6)

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A temperature cycle of 94°C for 30 sec, 56°C for 30 sec and 72°C for 1 min is run for 25 cycles.

4.1.7 Amplification

5µl of the samples from the preamplification step are each mixed with 1µl ~~AseI~~-AseI primer (~~5ng~~5ng), ~~1p-11µl~~ TaqI primer (30ng), 0.2µl Taq Polymerase (1U), 4µl amplification buffer, 0.4µl dNTP mix and 8.4µl water. The primers are end labelled with γ³²P-ATP.

~~AseI~~-AseI amplification primer: GACTGCGTACCTAATNN (SEQ ID NO:7)